Academic management application peroject

Executive Dowment

Course: Software models and downentation

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Academie management application project

formary

his project presents the development of an academic management application for students. The purpose is to help students organize tasks, schedules, and grades more effectively. The sistem gives a imple solution to the common problem of poor time management and lack of academic organization. With this tool, students can approve productivity, reduce forgetfulness, and have a clear vision of neir academic performance.

robbem statement

Tany students today have difficulties organizing their academic activities. Tradicional tools, such as physical agends or general nobile apps, do not always respond to their specific needs. his creates problems such as: Forgetting tasks and deadlines

Difficulty calculating academic averages.

Lack of clarity in daily and weekly schedules.

Low productivity due to weak planning.

These problems affect academic results and increase stress levels.

Tostification

he application is important because students need a tool that is ractical and fowsed only on academic life. Unlike other general IPPS, this solution integrates in one place: Task management, chedules, grades, reminders, and interface personalization. It rings value by supporting organization, autonomy, and productivity or students.

objectivez

General objective

To develop an academic management application that allows Students to organize their activities and improve their academic reformance with practical and customizable tools.

Specific objectives

Create a system for registering and controlling tasks.

Design a schedule module for daily and weekly Planning.

Add a grade system with automatic average calculation.

Include reminders to prevent missed deadlines.

Allow interface personalization for user comfort.

folution description

The application is developed in C++ with SOLite as the local database manager. This ensures speed, portability, and offline use.

Main features:

• Task management: register, check and update academic tasks.

Schedule module: Visualize classes and activities.

Grades system: Save grades and calwlate averages.

Reminders: Alerts for exams, tasks and deadlines.

Personalization: Customize interface options.

Advantages → Easy to use, offline acces, and fowsed on academic organization.



espect resulty

Better control of academic activities.

Fewer forgotten tasks with automatic reminders.

Better time organization with integrated schedules and tasks.

Clear vision of academic performance with automatic averages. Adaptable tool for each student's needs.

example

Students selects
Fadd task"

ADD TASK

Cotter task details

Valid?

Yes

System saves tasks
in database.

System creates reminder
(optional)

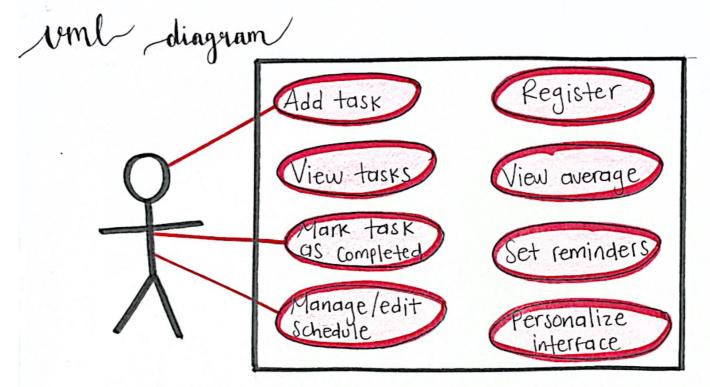
Show task in task
list.

Phase Activity	Estimated time
1. Analysis and requirements	Neek 1
2. System design (UML)	Week 2
3. Module development	Weeks 3-5
4. Integration and testing	Week 6
5. Dowmentation and Presentation	Week 7

activity Schedule

Activity schedule

The activity schedule presents the main phases of the project in a simple way. It starts with the analysis of needs and requirements, followed by the design of the system using UML diagrams and the database. Then, the development phase fowses on Creating the application modules. After that, the modules are integrated and tested. Finally, the project ends with downentation and presentation of results.



lanelygion/

The academic management application is a practical solution for the organization problems students face. It helps to increase productivity, reduce stress, and provide a clear view of academic refromance. In the future, the project can grow with a mobile version and advanced reporting tools.

